

Schena, Cristeen

From: Kimberly Tisa <Tisa.Kimberly@epamail.epa.gov>
Sent: Wednesday, May 28, 2014 8:20 AM
To: Tisa, Kimberly
Subject: Goddard - Estabrook (Archived)
Attachments: Refinement to OM Plan Memo_8.29.11.pdf; EstabrookMapStars.pdf; Estabrook Memo_9 16 11 (EHE 17892).pdf; Comments.htm; Project Update 09.10.10 (EH&E 17228).pdf; October 2011 Air Sampling V.3 (EH&E 17892).pdf; Surface Samples 08 15 11 (EHE 17892).pdf; Estabrook PBS Memo to SC Sept. 10b, 2010.pdf; Air Sampling Plan Estabrook.pdf; EPA Risk Based Approval Acceptance.pdf; EPA Letter January 31, 2011.pdf; Wipe Samples 12 11 (EHE 17892).pdf; Estabrook 8 31 9 am.pdf; Memo (EH&E 17228).pdf; Estabrook O&M Management Plan.xls; O&M Management Plan Schedule Jan 27 2012.pdf; ATTRPH1D.pdf; ATTFNKEB.pdf; Comments on Estabrook RA LJP-JS.doc; O&M Plan Rev1 (EH&E 17228).pdf; Estabrook O&M Review March 22 2011 Final.ppt; O&M Plan Rev 2 (EH&E 17228).pdf; Description.htm; Surface Memorandum 060811 (EHE 17228).pdf; Cost Analysis Nov 1.pdf; Memorandum (EH&E 17228).pdf; Air Samples (EH&E 17892).pdf; 9.19.11 Estabrook PCB Table - Air and Bulk.xls; Refinement to OM Plan Memo_8 29 11.pdf

Dear User

An email was sent to you from Lotus Domino containing special objects accessible only via Lotus Notes Client. The portion of the email that could be sent is included below.

If this is the first time you have received this type of message, [Click Here](#) for database access.

To access the original email with Lotus Notes please click this link ----> 

*Kimberly N. Tisa, PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912*

*Phone: 617.918.1527
E-Fax: 617.918.0527*

tisa.kimberly@epa.gov

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Estabrook New Construction

Patrick Goddard

to: Kimberly Tisa

11/16/2011

Archive: This message is being viewed in an archive.

Hi Kim,

We are moving forward with the MSBA on our new building project. The Board of Selectmen has set the date for the Debt Exclusion Override Vote to be January 24, 2012. With this date now set, the campaigns to inform the voters of the issues will begin shortly.

The voters will need to be informed of our plan over the next 2 1/2 years while the new school is being constructed and

the costs associated with the entire project. I am hopeful that we will be hearing from you shortly on the Interim Risk Based Approval we are seeking that allows us to continue to use the existing school while the new school is constructed.

Please call if you have any questions.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: Patrick Goddard
Sent: Wednesday, November 02, 2011 9:13 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Matt Fragala
Subject: FW: Report on Indoor Air Samples Collected on October 7, 2011, Estabrook Elementary School (EH&E 17892)

Good Morning Kim,

I am forwarding to your attention the results of the October air samples. The samples we taken under operation conditions defined in O&M Plan, revision 3.

The results are well within the guidelines and we do not plan to sample again until December vacation.

We hope to hear from you in the near future on the suitability of the O&M Plan to operate the school for the next three years while our new school is being constructed.

Let me know if you have any questions.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Thursday, October 27, 2011 4:39 PM
To: Patrick Goddard; Paul Ash
Cc: Matt Fragala; David MacIntosh
Subject: Report on Indoor Air Samples Collected on October 7, 2011, Estabrook Elementary School (EH&E 17892)

Mr. Goddard and Dr. Ash:
On behalf of Matt Fragala and David MacIntosh, please find the attached memorandum regarding the Report on Indoor Air Samples Collected on October 7, 2011, at Estabrook Elementary School, Lexington, Massachusetts (EH&E 17892) in Adobe Acrobat (.pdf) format.
The original document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

{In Archive} FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa

06/09/2011

Archive: This message is being viewed in an archive.

Hi Kim,

I have just received the updated Estabrook Operations and Maintenance Plan that incorporates your suggestions from our conference call last Thursday. In addition, I am sending you the latest surface sampling results, including a location map of where the samples were collected.

EH&E has also update the soil sampling plan to include the additional samples that you requested during the plan review. EH&E will begin sampling tomorrow and they have informed me that the increased sampling has increased the estimated cost of the plan implementation from \$14,750 to approximately \$30,000.

We have a scheduled Estabrook Advisory Committee meeting on Tuesday the 14th. During the meeting I will review the Estabrook Operations and Maintenance Management Plan. I have attached the workbook that contains the plan and procedures developed to insure compliance with the plan, which I will review with the committee. I will also review with the committee that during our discussion of June 2nd you commented that you will recommend the plan to your management, but we may not receive further communication on the approval process for several weeks or months. Since we are considering relocating the kindergarten classrooms back to their original locations, your support of the O&M plan and the site specific risk assessment is important information to the community in considering this move. Please confirm back to me that you are in agreement with my reporting your support of the O&M plan on Tuesday evening.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Thursday, June 09, 2011 4:20 PM
To: Patrick Goddard
Cc: Paul Ash; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:

On behalf of Matt Fragala, please find the attached Revision One of the Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts (EH&E 17228) in an Adobe Acrobat (.pdf) format.

The document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

(See attached file: O&M Plan Rev1 (EH&E 17228).pdf)(See attached file: Surface Memorandum 060811 (EHE

17228).pdf)(See attached file: Estabrook O&M Management Plan.xls)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Air Samples Collected on November 20, 2010, and Surface Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa

12/10/2010

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Hi Kim,

We continue to receive favorable air results at Estabrook. Also included in the report are the results of the caulk wipe samples.

Let me know if you have any questions.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]

Sent: Friday, December 10, 2010 1:26 PM

To: Patrick Goddard; Paul Ash

Cc: Matt Fragala; David MacIntosh

Subject: Air Samples Collected on November 20, 2010, and Surface Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228)

Mr. Goddard and Dr. Ash:

On behalf of David L. MacIntosh and Matt A. Fragala, please find the attached memorandum regarding the Air Samples Collected on November 20, 2010, and Surface Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228) in Adobe Acrobat (.pdf) format.

This document is being re-sent due to an error in Table 1. Please disregard the original email and attachment.

We apologize for any inconvenience.

The original document is to follow via the mail.

Environmental Health & Engineering, Inc.

Production Department

1-800-TALK EHE (1-800-825-5343)

(See attached file: Memorandum (EH&E 17228).pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Estabrook O&M Plan Status & Letter

Patrick Goddard

to: Kimberly Tisa

01/31/2011

Archive: This message is being viewed in an archive.

Hi Kim,

I had expected to have the Estabrook Operations and Maintenance Plan to you before now. We have been working with EH&E on the plan and I believe we are getting close to completing the plan and should have it to you shortly.

I am attaching a letter that I drafted detailing the time line to replace the Estabrook School. This was to be part of the O&M plan submission, but I am sending it to you ahead of the plan as we want to share the letter with the Massachusetts School Board Authority as they consider supporting the school project.

Let me know if you have any questions.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov
(See attached file: *EPA Letter January 31, 2011.pdf*)
----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Estabrook Elementary School, Lexington, Massachusetts (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa, dmacintosh

08/31/2010

Cc: "Gerard Cody", "Joseph Allen", "Matt Fragala"

Archive: This message is being viewed in an archive.

Kim,
These are my notes of the newest data on the original plan completed by EH&E.

Dave and Matt, can you send these data points ASAP to Kim as well so that she can have them reviewed by risk assessment.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----
From: Tisa.Kimberly@epamail.epa.gov
[<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Tuesday, August 31, 2010 11:08 AM

To: dmacintosh@eheinc.com
Cc: Gerard Cody; Joseph Allen; Matt Fragala; Patrick Goddard
Subject: Re: Estabrook Elementary School, Lexington, Massachusetts (EH&E 17228)

EPA is receiving inquiries on the PCB contamination at this school. As discussed last week, EPA is aware that additional air sampling was being conducted and the results were expected late last week. Please provide the results of this sampling to EPA as well as the proposed next steps to address indoor air.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "EH&E Production Department"
<ProductionDepartment@eheinc.com>

To: Kimberly Tisa/R1/USEPA/US@EPA

Cc: <pgoddard@lexingtonma.gov>, <gcody@lexingtonma.gov>,
"Joseph Allen" <JAllen@eheinc.com>, "Matt Fragala"
<MFRagala@EHEinc.com>

Date: 08/16/2010 05:40 PM

Subject: Estabrook Elementary School, Lexington, Massachusetts
(EH&E 17228)

Ms. Tisa:
On behalf of Matt A. Fragala and Joseph G. Allen, please find the attached report regarding the Estabrook Elementary School, Lexington, Massachusetts (EH&E 17228) in Adobe Acrobat (.pdf) format. The original document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department

1-800-TALK EHE (1-800-825-5343)

(See attached file: Initial EPA Letter (EH&E 17228).pdf)

(See attached file: Estabrook 8 31 9 am.pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Lexington Project

Patrick Goddard

to: Kimberly Tisa

11/08/2010

Archive: This message is being viewed in an archive.

Hi Kim,

We have a Special Town Meeting planned on Monday November 15 and one of the warrant articles is to fund the Estabrook remediation. I have attached the latest budget projection that we will be reviewing with Town Meeting (>\$1.0M.)

As you can see, we have committed significant resources (>\$500,000) to the work that is being done with EH&E. This includes the work that is planned over the next few months.

I mentioned last week in our conference call that I want to establish an understanding on the communication going forward, and part of that is for me to communicate directly with you and only involve EH&E on necessary technical matters. Our Advisory Committee met Thursday and we are hopeful that the air measurements that we take the next month will confirm that we have managed the PCB concentration to within the guidelines.

One of our short term priorities is to confirm the maintenance and operation plan that will insure that such readings continue.

I look forward to continue to work with you on this project.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov(See attached file: Cost Analysis Nov 1.pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Air Samples Collected on November 24, 2010, Estabrook Elementary School (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa

12/20/2010

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Good Morning Kim,

We have received continued good results for Estabrook air sampling. We should receive the last round of results this week that will complete our sampling of the entire school since completion of the mini-walls.

Let me know if you have any questions.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Friday, December 17, 2010 5:55 PM
To: Patrick Goddard; Paul Ash
Cc: Matt Fragala
Subject: Air Samples Collected on November 24, 2010, Estabrook Elementary School (EH&E 17228)

Mr. Goddard and Dr. Ash:
On behalf of Matt A. Fragala, please find the attached memorandum regarding the Air Samples Collected on November 24, 2010, Estabrook Elementary School (EH&E 17228) in Adobe Acrobat (.pdf) format.
The original document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-TALK EHE (1-800-825-5343)

(See attached file: Memorandum (EH&E 17228).pdf)
----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: air samples

Patrick Goddard

to: Kimberly Tisa

09/20/2010

Archive: This message is being viewed in an archive.

Kim,
We received this notification from EH&E on Saturday that the lab was not able to process reliable results due to an interferent. We repeated the sampling yesterday and EH&E is delivering the new samples this morning. We are hopeful that these results will be available Thursday.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
Sent: Saturday, September 18, 2010 1:10 PM
To: Patrick Goddard

Subject: air samples

Pat-

We received the lab report from Alpha for the indoor air samples. As expected the detection limits had to be increased because of the presence of an interferent in the extracts. Instead of a 5 ng/m³ detection limit for each homolog, the limit increased to 50 ng/m³. We are looking into the cause; the information available at present indicates a problem at the lab, not with the sampling. This preliminary conclusion is based on the fact that all 8 samples had an interferent, including the media blank (no air was pulled through this cartridge) and the sample collected in Room 26 (no encapsulation work was done there). We may be seeing the effects of several weeks of rush orders and backlog at the lab – I'll know more on Monday after speaking with the lab director. The Town will not be charged for the lab costs or for the time spent collecting the samples.

We may be able to infer a ceiling for the indoor air concentrations last Sunday, but we need to look at the results more thoroughly and gather additional information from the lab before reaching a conclusion. If a ceiling could be inferred, I believe it would be in the range of 300 ng/m³, which would have some informational value for us. I'm not that optimistic right now, it's definitely worth looking into further.

Regardless, we need to sample the indoor air again. Tomorrow (Sunday) is best given the timeline for decision making. Matt is prepared to start the samples in the morning. He will need access to the school. In addition, we should talk with Sean about putting the OA dampers in rooms 13 and 24 back into the minimum setting. If the linkages are still in place, then we can use the thermostat to reset the dampers. If not, I would like to connect Sean and Matt so that they can figure out how to coordinate repositioning the dampers. Finally, before authorizing the lab to analyze the samples collected tomorrow, I will require that they demonstrate no problems with blanks (blinded to the lab) that will be delivered to them first thing Monday morning.

This situation pains me greatly. Please call my cell (617-593-1631) when you are free to talk.

Dave

David L. MacIntosh, Sc.D.
Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa

09/16/2011

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Ms. Tisa,

I have sending your four documents for your review. The first is revision 2 of the O&M plan, that you also received on 9/2. Another attachment includes the results of surface sampling conducted over the summer. Lastly, there are two additional documents that have been prepared by EH&E, one that summarize the results of the mitigation efforts implemented last September and one that summarizes the influence of ambient temperature on average indoor PCB concentration.

My understanding is that EH&E has responded to all of your outstanding requests for additional information that resulted

from your review of our earlier version of the O&M Plan. Please notify me if that is not the case.

Lastly, we are presenting to the Estabrook community at a 9/26 PTA meeting where we will give an update on our O&M Plan and the soil remediation, which should be complete by that date.

Let me know if you need anything further at this time.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Friday, September 02, 2011 7:18 PM
To: Patrick Goddard
Cc: Paul Ash; Tisa.Kimberly@epa.gov; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:

On behalf of Matt Fragala, please find the attached Revision Two of the Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts (EH&E 17228) in an Adobe Acrobat (.pdf) format.

Should you have any questions, please contact Matt directly.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

(See attached file: O&M Plan Rev 2 (EH&E 17228).pdf)(See attached file: Surface Samples 08 15 11 (EHE 17892).pdf)(See attached file: Refinement to OM Plan Memo_8 29 11.pdf)(See attached file: Estabrook Memo_9 16 11 (EHE 17892).pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Fw: Updated Memo

Patrick Goddard

to: Kimberly Tisa

08/29/2011

Cc: MFRagala

Archive: This message is being viewed in an archive.

Kim,

Attached is a summary prepared by EH&E on the concentration of PBC in air at Estabrook School and the recommended modifications to the O&M plan. We expect to have the updated plan to you by the end of the week.

Pat

From: Matt Fragala <MFRagala@EHEinc.com>
To: Patrick Goddard

Cc: David MacIntosh <DMacIntosh@eheinc.com>

Sent: Mon Aug 29 14:10:02 2011

Subject: Updated Memo

Hi Pat

Attached please find the updated memo. Please let me know if you have any questions.

Matt A. Fragala M.S., C.I.H.

Senior Scientist

Environmental Health & Engineering

117 Fourth Avenue

Needham, MA 02459

TEL 800-825-5343

FAX 781-247-4305

 Please consider the environment before printing this email.

(See attached file: Refinement to OM Plan Memo_8.29.11.pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Air Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228)

Patrick Goddard

to: Kimberly Tisa

12/01/2010

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Hi Kim,

We received results of Round 9 air sampling yesterday. The results are very good and show that the encapsulation achieved from the mini-wall construction appears to be maintaining PCB concentrations within EPA guidelines with the unit ventilator operating in the winter ventilation range.

EH&E has conducted wipe samples on interior caulking, but we have not yet received results. We expect the next round of results to be available 12/9.

We are also working with EH&E on the Operations and Maintenance plan and expect to have a draft ready for review by the end of December.

Let me know if you have any questions or concerns.

Thanks,

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Tuesday, November 30, 2010 3:33 PM
To: Patrick Goddard; Paul Ash
Cc: David MacIntosh; Matt Fragala
Subject: Air Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228)

Dr. Ash and Mr. Goddard:

On behalf of David L. MacIntosh and Matt A. Fragala, please find the attached memorandum regarding the Air Samples Collected on November 11, 2010, Estabrook Elementary School (EH&E 17228) in Adobe Acrobat (.pdf) format.
The original document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-TALK EHE (1-800-825-5343)

(See attached file: *Memo (EH&E 17228).pdf*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Re: FW: air samples 

Kimberly Tisa to: Patrick Goddard

09/20/2010 09:36 AM

Cc: Jacqueline McQueen

Archive: This message is being viewed in an archive.

Pat-

I received an inquiry from EPA-HQ on the possibility of obtaining PCB samples for our ORD lab.

As I may have mentioned to you, EPA is currently doing assessment of various products and their potential effect on indoor air. They are interested in obtaining samples of caulk and possibly ceiling tiles...I know you have both.

Would the school board be amenable to releasing some of these products to EPA? We would be responsible for shipment, etc.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---09/20/2010 08:39:24 AM---Kim, We received this notification from EH&E on Saturday that the lab was not

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: Kimberly Tisa/R1/USEPA/US@EPA

Date: 09/20/2010 08:39 AM

Subject: FW: air samples

Kim,
We received this notification from EH&E on Saturday that the lab was not able to process reliable results due to an interferent. We repeated the sampling yesterday and EH&E is delivering the new samples this morning. We are hopeful that these results will be available Thursday.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
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Lexington, MA 02420

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pgoddard@lexingtonma.gov

From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
Sent: Saturday, September 18, 2010 1:10 PM
To: Patrick Goddard
Subject: air samples

Pat-

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Regardless, we need to sample the indoor air again. Tomorrow (Sunday) is best given the timeline for decision making. Matt is prepared to start the samples in the morning. He will need access to the school. In addition, we should talk with Sean about putting the OA dampers in rooms 13 and 24 back into the minimum setting. If the linkages are still in place, then we can use the thermostat to reset the dampers. If not, I would like to connect Sean and Matt so that they can figure out how to coordinate repositioning the dampers. Finally, before authorizing the lab to analyze the samples collected tomorrow, I will require that they demonstrate no problems with blanks (blinded to the lab) that will be delivered to them first thing Monday morning.

This situation pains me greatly. Please call my cell (617-593-1631) when you are free to talk.

Dave

David L. MacIntosh, Sc.D.

Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: FW: air samples

Patrick Goddard

to: Tisa.Kimberly

09/20/2010

Cc: McQueen.Jacqueline

Archive: This message is being viewed in an archive.

Kim,
I assume there would not be any potential negative consequences from giving the samples?

We can ask for approval tomorrow night at the School Committee meeting.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov
-----Original Message-----
From: Tisa.Kimberly@epamail.epa.gov
[<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Monday, September 20, 2010 9:37 AM
To: Patrick Goddard
Cc: McQueen.Jacqueline@epamail.epa.gov
Subject: Re: FW: air samples

Pat-

I received an inquiry from EPA-HQ on the possibility of obtaining PCB samples for our ORD lab.

As I may have mentioned to you, EPA is currently doing assessment of various products and their potential effect on indoor air. They are interested in obtaining samples of caulk and possibly ceiling tiles...I know you have both.

Would the school board be amenable to releasing some of these products to EPA? We would be responsible for shipment, etc.

Kimberly N. Tisa
U.S. Environmental Protection Agency

5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From:      |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| Kimberly Tisa/R1/USEPA/US@EPA
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| Date:      |
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| 09/20/2010 08:39 AM
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| FW: air samples
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Kim,
We received this notification from EH&E on Saturday that the lab was not able to process reliable results due to an interferent. We repeated the

sampling yesterday and EH&E is delivering the new samples this morning. We are hopeful that these results will be available Thursday.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
Sent: Saturday, September 18, 2010 1:10 PM
To: Patrick Goddard
Subject: air samples

Pat-

We received the lab report from Alpha for the indoor air samples. As expected the detection limits had to be increased because of the presence of an interferent in the extracts. Instead of a 5 ng/m³ detection limit for each homolog, the limit increased to 50 ng/m³. We are looking into the cause; the information available at present indicates a problem at the lab, not with the sampling. This preliminary conclusion is based on the fact that all 8 samples had an interferent, including the media blank (no air was pulled through this cartridge) and the sample collected in Room 26 (no encapsulation work was done there). We may be seeing the effects of several weeks of rush orders and backlog at the lab - I'll know more on Monday after speaking with the lab director. The Town will not be charged for the lab costs or for the time spent collecting the samples.

We may be able to infer a ceiling for the indoor air concentrations last Sunday, but we need to look at the results more thoroughly and gather additional information from the lab before reaching a conclusion. If a ceiling could be inferred, I believe it would be in the range of 300 ng/m³, which would have some informational value for us. I'm not that optimistic right now, it's definitely worth looking into further.

Regardless, we need to sample the indoor air again. Tomorrow (Sunday) is best given the timeline for decision making. Matt is prepared to start the samples in the morning. He will need access to the school. In addition, we should talk with Sean about putting the OA dampers in rooms 13 and 24 back into the minimum setting. If the linkages are still in place, then we can use the thermostat to reset the dampers. If not, I would like to connect Sean and Matt so that they can figure out how to coordinate repositioning the dampers. Finally, before authorizing the lab to analyze the samples collected tomorrow, I will require that they demonstrate no problems with blanks (blinded to the lab) that will be delivered to them first thing Monday morning.

This situation pains me greatly. Please call my cell (617-593-1631) when you are free to talk.

Dave

David L. MacIntosh, Sc.D.
Principal Scientist
Associate Director, Advanced Analytics

Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28 

Kimberly Tisa to: Patrick Goddard

03/29/2011 07:39 AM

Archive: This message is being viewed in an archive.

Hi Pat-

We're completely inundated and I haven't opened your plan yet. I'll try to get to it as soon as I can.

*Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912*

*Phone: 617.918.1527
E-Fax: 617.918.0527*

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---03/29/2011 07:38:06 AM---Hi Kim,

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: Kimberly Tisa/R1/USEPA/US@EPA

Date: 03/29/2011 07:38 AM

Subject: RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Hi Kim,

I want to check in with you now that you have had the Operations and Maintenance Plan for one month and find out when we might expect to hear back from you on the plan? We are currently working to implement the plan, so we would appreciate your feedback.

I am also attaching a review of the plan that I gave last week to the school community.

Regards,
Pat

Patrick W Goddard
Director of Public Facilities

Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Monday, February 28, 2011 7:22 PM
To: Tisa.Kimberly@epa.gov
Cc: Patrick Goddard; Paul Ash; Matt Fragala; Joseph Allen; David MacIntosh
Subject: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Ms. Tisa:

On behalf of Matt Fragala and Joseph Allen, please find the attached **amended** EH&E cover letter with attachments:
Letter from Town of Lexington,
Massachusetts School Building Authority announcement,
Final Site-Specific Assessment for Polychlorinated Biphenyls for Estabrook School, Lexington, Massachusetts, and the
Operation and Maintenance Plan for Polychlorinated Biphenyls for the Estabrook School (EH&E 17228) in Adobe Acrobat
(pdf) format.

The cover letter is updated to include the MSBA announcement.

Please disregard the email sent on February 26.

These documents are to be delivered to you on Tuesday, March 1.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

[attachment "Estabrook O&M Review March 22 2011 Final.ppt" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Patrick Goddard

to: Kimberly Tisa

05/02/2011

Archive: This message is being viewed in an archive.

Hi Kim,

I imagine you are still inundated and that is why I haven't heard back from you on our O&M plan. DO you think you will get back to us soon? I am hoping to finalize our procedures this month so we can train everyone and be all set for the new school year before this year ends.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov
[mailto:Tisa.Kimberly@epamail.epa.gov]

Sent: Tuesday, March 29, 2011 7:39 AM

To: Patrick Goddard

Subject: RE: Final Site-Specific Assessment and O&M Plan for PCBs,
Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Hi Pat-

We're completely inundated and I haven't opened your plan yet. I'll try
to get to it as soon as I can.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To: |
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| Kimberly Tisa/R1/USEPA/US@EPA
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| 03/29/2011 07:38 AM
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School, Lexington (EH&E 17228) Letter dated February 28 |
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Regards,
Pat

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Town of Lexington
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pgoddard@lexingtonma.gov

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Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

[attachment "Estabrook O&M Review March 22 2011 Final.ppt" deleted by

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Estabrook Update

Patrick Goddard

to: Kimberly Tisa

09/13/2010

Archive: This message is being viewed in an archive.

Kim,

Attached is the latest information. I will call you in a few minutes to discuss.

Pat

Patrick W Goddard

Director of Public Facilities

Town of Lexington

201 Bedford Street

Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

From: MaryEllen Dunn [<mailto:mdunn@sch.ci.lexington.ma.us>]

Sent: Friday, September 10, 2010 8:48 PM

To: Paul Ash; Carol Pilarski; Linda Chase; Robert J. Harris; Thomas Plati; Miriam Sousa; Jane McLaughlin; Lorraine Gryp; Heidi Zimmerman; Debra Harvey; Nancy.Wiseman@compass-usa.com; Sheila Breen; Anne Carothers; David Callaghan; Jonathan Wettstone; Michael Kon; Michael Ng; Abigail Maxton; Barbara Schuster; William Gendron; Janet Nappi; Steven Flynn; Anna Monaco; Jennifer Turner; Ellen Vera; MelissaClifford Miles; Tessa Clare; Pamela Pierce; William Murray; Mia Brousse; Michelle Bartley; Mary Neumeier; Phyllis Ho; Mary Anton-Oldenburg; Ellen Quirk; Beth Glick; Lynn Taber; John Taranto; Michele Welch; Kathleen Abou-Rjaily; Jeanne Cole; Heather Daly; Brenda Barnes; Margaret Colella; John Harney; Lucia Gates; Diane Celi; Paul O'Connell; Marcia Cavatorta; Michele Welch; Sandra Trach; Ronald Sanborn; Christine Zende; Karen Palm; Joseph McLaughlin Jr; Theresa Carfagno; Ellen Silberman; Katherine O'Hare Gibson; Thomas Martellone; Brian Baker; Lysa Pirone; JoAnn McMahon; Alan DiPietrantonio; MaryLou Chamberland; Michele Carter; Daniel Markowitz; Elaine Mead; Grant Smith; Amy Chamberlain; Kathy Sherburne; Paul Cuzzupe; Jennifer Minasian; Kimberly Rogerson; Maureen Smith-Wojcik; Elizabeth Billings-Fouhy; Elizabeth Murphy; Louise Lipsitz; Nancy Campbell; Celeste Freeman; Nancy Salitsky; Joseph Ferranti; Mary Tripi; Karen Salvucci; Kaitlin Boudreau; JoAnn Kline; Margaret Singer; Natalie Cohen; Laura Laszlo; Charles Caliri; Nancy DeFeudis; David Lautman; JoAnn Kilpatrick; Janice Ciccone; Julie Lalumiere; Lester Eggleston, Jr.; Janet Foley; Susan Kaftan; James Farnham; Sherry Coughlin; jameskelly10@gmail.com; Cheryl Johnson; Donald Johnson; Linda Vine; Carl Valente; William Middlemiss; SMT Enhanced;

The attached documents were sent via global connect this evening to the Estabrook parents and staff.

Correction on Paul Ash Memorandum made if you have received this twice. Please use the second email (this one)

Mary Ellen Dunn
Assistant Superintendent for Finance and Business
Lexington Public Schools
146 Maple St.
(Access via 328 Lowell Street)
Lexington, MA 02420
office: 781.861.2563 x215
fax: 781.861.2560
email: mdunn@sch.ci.lexington.ma.us
website: <http://lps.lexingtonma.org/businessandfinance.html>

Please don't print this e-mail unless you really need to.

When writing or responding, please remember that the Secretary of State's Office has determined that email is a public record.

This communication may contain privileged or other confidential information. If you are not the intended recipient, or believe that you have received this communication in error, please do not print, copy, retransmit, disseminate, or otherwise use the information. Also, please indicate to the sender that you have received this email in error, and delete the copy you received.

----- Original Message -----

From: Paul B. Ash Friday, September 10, 2010 8:31:25 PM
Subject: Please post
To: MaryEllen Dunn
Cc: Sandra Trach Carol A. Pilarski School Committee Principals
Attachments: Project Update 09.10.10 (EH&E 17228).pdf 174K
Estabrook PBS Memo to SC Sept. 10b, 2010.doc 88K

Mary Ellen:

Please send the attachments to parents, Estabrook staff and incident command teams using Global connect. Given the hour (8:31 pm), I suggest you use the email system only. In the morning, please send a voice mail message letting people know that the superintendent of schools, on Friday evening, sent them an email regarding the Estabrook PCB issues.

Also, please post the two attached documents on our web site.

Paul(See attached file: *Project Update 09.10.10 (EH&E 17228).pdf*)(See attached file: *Estabrook PBS Memo to SC Sept. 10b, 2010.pdf*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Estabrook Elementary School, Lexington, Massachusetts (EH&E 17228) 

Kimberly Tisa

to: Patrick Goddard

09/09/2010 11:04 AM

Archive: This message is being viewed in an archive.

Pat-

I was calling to find out if you had received any data from the supplemental sampling that was done this weekend. I know that the air results aren't due back until either later today or tomorrow, but I was wondering about the bulk products.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: FW: air samples 

Kimberly Tisa

to: Patrick Goddard

09/20/2010 10:03 AM

Cc: McQueen.Jacqueline

Archive: This message is being viewed in an archive.

Not that I am aware.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼"Patrick Goddard" ---09/20/2010 09:38:59 AM---Kim, I assume there would not be any potential negative consequences from

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: <Tisa.Kimberly@epamail.epa.gov>
Cc: <McQueen.Jacqueline@epamail.epa.gov>
Date: 09/20/2010 09:38 AM
Subject: RE: FW: air samples

Kim,
I assume there would not be any potential negative consequences from giving the samples?

We can ask for approval tomorrow night at the School Committee meeting.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov
-----Original Message-----
From: Tisa.Kimberly@epamail.epa.gov
[mailto:Tisa.Kimberly@epamail.epa.gov]
Sent: Monday, September 20, 2010 9:37 AM
To: Patrick Goddard
Cc: McQueen.Jacqueline@epamail.epa.gov
Subject: Re: FW: air samples

Pat-

I received on inquiry from EPA-HQ on the possibility of obtaining PCB samples for our ORD lab.

As I may have mentioned to you, EPA is currently doing assessment of various products and their potential effect on indoor air. They are interested in obtaining samples of caulk and possibly ceiling tiles...I know you have both.

Would the school board be amenable to releasing some of these products to EPA? We would be responsible for shipment, etc.

Kimberly N. Tisa
U.S. Environmental Protection Agency
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Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
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tisa.kimberly@epa.gov

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Patrick W Goddard
Director of Public Facilities
Town of Lexington
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From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
Sent: Saturday, September 18, 2010 1:10 PM
To: Patrick Goddard
Subject: air samples

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Regardless, we need to sample the indoor air again. Tomorrow (Sunday) is best given the timeline for decision making. Matt is prepared to start the samples in the morning. He will need access to the school. In addition, we should talk with Sean about putting the OA dampers in rooms 13 and 24 back into the minimum setting. If the linkages are still in place, then we can use the thermostat to reset the dampers. If not, I would like to connect Sean and Matt so that they can figure out how to coordinate repositioning the dampers. Finally, before authorizing the lab to analyze the samples collected tomorrow, I will require that they demonstrate no problems with blanks (blinded to the lab) that will be delivered to them first thing Monday morning.

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David L. MacIntosh, Sc.D.
Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: PCB Samples

Patrick Goddard

to: Jacqueline McQueen, David MacIntosh

09/20/2010

Cc: Kimberly Tisa, Zhishi Guo

Archive: This message is being viewed in an archive.

David,
Perhaps you can send to EPA the bulk material results to date.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: McQueen.Jacqueline@epamail.epa.gov [<mailto:McQueen.Jacqueline@epamail.epa.gov>]
Sent: Monday, September 20, 2010 6:31 PM
To: Patrick Goddard
Cc: tisa.kimberly@epamail.epa.gov; guo.zhishi@epamail.epa.gov
Subject: Re: PCB Samples

Many thanks! Our lead researcher will be back in the lab on Friday, and we will work with him on transport, packaging, chain of custody, etc. We'll be in touch.

Just to confirm, this will not be for ballasts, only ceiling tiles and caulk, right?

Thanks again, and thanks, Kim!

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development
Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: <McQueen.Jacqueline@epamail.epa.gov>, <Tisa.Kimberly@epamail.epa.gov>
Date: 09/20/2010 02:54 PM

Subject: PCB Samples

The Superintendent has authorized me to release these samples. Let me know how you want to proceed.

Pat
Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: McQueen.Jacqueline@epamail.epa.gov
[<mailto:McQueen.Jacqueline@epamail.epa.gov>]
Sent: Monday, September 20, 2010 10:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Patrick Goddard
Subject: RE: FW: air samples

No negative consequences on our end. We don't even want to know where the samples came from. We are only interested in testing, not enforcement.

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development
Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: Kimberly Tisa/R1/USEPA/US

To: "Patrick Goddard" <pgoddard@lexingtonma.gov>

Cc: McQueen.Jacqueline@epamail.epa.gov

Date: 09/20/2010 10:03 AM

Subject: RE: FW: air samples

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To: <Tisa.Kimberly@epamail.epa.gov>

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Date: 09/20/2010 09:38 AM

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Cc: McQueen.Jacqueline@epamail.epa.gov

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This situation pains me greatly. Please call my cell (617-593-1631) when you are free to talk.

Dave

David L. MacIntosh, Sc.D.
Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: PCB Samples 

Kimberly Tisa

to:

Patrick Goddard

09/21/2010 07:13 AM

Cc: "David MacIntosh", Jacqueline McQueen, Zhishi Guo

Archive: This message is being viewed in an archive.

Pat is associated with Lexington where we have ceiling tiles and caulk.

I have ballasts at another school.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---09/20/2010 10:35:05 PM---David, Perhaps you can send to EPA the bulk material results to date.

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: Jacqueline McQueen/DC/USEPA/US@EPA, "David MacIntosh" <DMacIntosh@eheinc.com>
Cc: Kimberly Tisa/R1/USEPA/US@EPA, Zhishi Guo/RTP/USEPA/US@EPA
Date: 09/20/2010 10:35 PM
Subject: RE: PCB Samples

David,
Perhaps you can send to EPA the bulk material results to date.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: McQueen.Jacqueline@epamail.epa.gov [<mailto:McQueen.Jacqueline@epamail.epa.gov>]
Sent: Monday, September 20, 2010 6:31 PM
To: Patrick Goddard
Cc: tisa.kimberly@epamail.epa.gov; guo.zhishi@epamail.epa.gov
Subject: Re: PCB Samples

Many thanks! Our lead researcher will be back in the lab on Friday, and we will work with him on transport, packaging, chain of custody, etc. We'll be in touch.

Just to confirm, this will not be for ballasts, only ceiling tiles and caulk, right?

Thanks again, and thanks, Kim!

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development

Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: <McQueen.Jacqueline@epamail.epa.gov>, <Tisa.Kimberly@epamail.epa.gov>
Date: 09/20/2010 02:54 PM
Subject: PCB Samples

The Superintendent has authorized me to release these samples. Let me know how you want to proceed.

Pat
Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: McQueen.Jacqueline@epamail.epa.gov
[<mailto:McQueen.Jacqueline@epamail.epa.gov>]
Sent: Monday, September 20, 2010 10:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Patrick Goddard
Subject: RE: FW: air samples

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Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
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Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: Kimberly Tisa/R1/USEPA/US

To: "Patrick Goddard" <pgoddard@lexingtonma.gov>

Cc: McQueen.Jacqueline@epamail.epa.gov

Date: 09/20/2010 10:03 AM

Subject: RE: FW: air samples

Not that I am aware.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: <Tisa.Kimberly@epamail.epa.gov>

Cc: <McQueen.Jacqueline@epamail.epa.gov>

Date: 09/20/2010 09:38 AM

Subject: RE: FW: air samples

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Sent: Monday, September 20, 2010 9:37 AM
To: Patrick Goddard
Cc: McQueen.Jacqueline@epamail.epa.gov
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Boston, MA 02109-3912

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E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To: |
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|Kimberly Tisa/R1/USEPA/US@EPA
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|09/20/2010 08:39 AM
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|FW: air samples
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 Lexington, MA 02420

781-274-8958
 pgoddard@lexingtonma.gov

From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
 Sent: Saturday, September 18, 2010 1:10 PM
 To: Patrick Goddard
 Subject: air samples

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This situation pains me greatly. Please call my cell (617-593-1631) when you are free to talk.

Dave

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Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} PCB Samples

Patrick Goddard

to: McQueen.Jacqueline, Tisa.Kimberly

09/20/2016

Archive:

This message is being viewed in an archive.

The Superintendent has authorized me to release these samples. Let me know how you want to proceed.

Pat
Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

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[mailto:McQueen.Jacqueline@epamail.epa.gov]
Sent: Monday, September 20, 2010 10:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Patrick Goddard
Subject: RE: FW: air samples

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Jackie

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1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: Kimberly Tisa/R1/USEPA/US

To: "Patrick Goddard" <pgoddard@lexingtonma.gov>

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Date: 09/20/2010 10:03 AM

Subject: RE: FW: air samples

Not that I am aware.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: <Tisa.Kimberly@epamail.epa.gov>

Cc: <McQueen.Jacqueline@epamail.epa.gov>

Date: 09/20/2010 09:38 AM

Subject: RE: FW: air samples

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Boston, MA 02109-3912

Phone: 617.918.1527
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tisa.kimberly@epa.gov

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| From: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To: |
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| Kimberly Tisa/R1/USEPA/US@EPA
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| Date: |
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|09/20/2010 08:39 AM

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|FW: air samples
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To: Patrick Goddard
Subject: air samples

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Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
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Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Re: PCB Abatement Work 

Kimberly Tisa

to: Patrick Goddard

09/21/2010 04:56 PM

Archive: This message is being viewed in an archive.

Pat-

It is my understanding that the school is planning on starting replacement of the tiles this weekend. I was just informed of this via a telephone call.

EPA is concerned that this is the first we're hearing of this work.

We would like to know what the proposed plan is and what containment and post-abatement monitoring is required.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527

E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---09/20/2010 02:54:16 PM---The Superintendent has authorized me to release these samples. Let me know how you want to proceed.

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: <McQueen.Jacqueline@epamail.epa.gov>, <Tisa.Kimberly@epamail.epa.gov>
Date: 09/20/2010 02:54 PM
Subject: PCB Samples

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Pat
Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: McQueen.Jacqueline@epamail.epa.gov
[<mailto:McQueen.Jacqueline@epamail.epa.gov>]
Sent: Monday, September 20, 2010 10:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Patrick Goddard
Subject: RE: FW: air samples

No negative consequences on our end. We don't even want to know where the samples came from. We are only interested in testing, not enforcement.

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development
Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: Kimberly Tisa/R1/USEPA/US

To: "Patrick Goddard" <pgoddard@lexingtonma.gov>

Cc: McQueen.Jacqueline@epamail.epa.gov

Date: 09/20/2010 10:03 AM

Subject: RE: FW: air samples

Not that I am aware.

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U.S. Environmental Protection Agency
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Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
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tisa.kimberly@epa.gov

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To: <Tisa.Kimberly@epamail.epa.gov>

Cc: <McQueen.Jacqueline@epamail.epa.gov>

Date: 09/20/2010 09:38 AM

Subject: RE: FW: air samples

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[mailto:Tisa.Kimberly@epamail.epa.gov]
Sent: Monday, September 20, 2010 9:37 AM
To: Patrick Goddard
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tisa.kimberly@epa.gov

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| From: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| Kimberly Tisa/R1/USEPA/US@EPA
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Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Re: FW: Comments on Site-Specific Risk Assessment 

Kimberly Tisa

to: Patrick Goddard

12/02/2010 11:54 AM

Cc: "Matt Fragala"

Archive:

This message is being viewed in an archive.

Pat-

As you may recall, I forwarded your site-specific risk assessment for the indoor air to EPA HQ for review. Attached are their comments on the RA.

(See attached file: Comments on Estabrook RA LJP-JS.doc)

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Patrick Goddard

to: Kimberly Tisa

03/29/2011

Archive:

This message is being viewed in an archive.

Hi Kim,

I want to check in with you now that you have had the Operations and Maintenance Plan for one month and find out when we might expect to hear back from you on the plan? We are currently working to implement the plan, so we would appreciate your feedback.

I am also attaching a review of the plan that I gave last week to the school community.

Regards,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]

Sent: Monday, February 28, 2011 7:22 PM

To: Tisa.Kimberly@epa.gov

Cc: Patrick Goddard; Paul Ash; Matt Fragala; Joseph Allen; David MacIntosh

Subject: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated

February 28


Ms. Tisa:

On behalf of Matt Fragala and Joseph Allen, please find the attached amended EH&E cover letter with attachments:
Letter from Town of Lexington,
Massachusetts School Building Authority announcement,
Final Site-Specific Assessment for Polychlorinated Biphenyls for Estabrook School, Lexington, Massachusetts, and the
Operation and Maintenance Plan for Polychlorinated Biphenyls for the Estabrook School (EH&E 17228) in Adobe Acrobat
(pdf) format.
The cover letter is updated to include the MSBA announcement.
Please disregard the email sent on February 26.
These documents are to be delivered to you on Tuesday, March 1.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

(See attached file: *Estabrook O&M Review March 22 2011 Final.ppt*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28 

Kimberly Tisa

to: Patrick Goddard

05/03/2011 07:12 AM

Archive: This message is being viewed in an archive.

Understood. I will do the best that I can to take a look at it over the next week. As you may remember, EPA will consider whether to issue a short-term risk-based approval for the temporary encapsulation/containment of the caulk and contaminated building substrates given that the new construction wouldn't be accomplished for up to 3 years.

Has anything related to the proposed new school construction changed?

*Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912*

*Phone: 617.918.1527
E-Fax: 617.918.0527*

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---05/02/2011 05:05:41 PM---Hi Kim, I imagine you are still inundated and that is why I haven't heard back

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: Kimberly Tisa/R1/USEPA/US@EPA

Date: 05/02/2011 05:05 PM

Subject: RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Hi Kim,

I imagine you are still inundated and that is why I haven't heard back from you on our O&M plan. DO you think you will get back to us soon? I am hoping to finalize our procedures this month so we can train everyone and be all set for the new school year before this year ends.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov
[mailto:Tisa.Kimberly@epamail.epa.gov]
Sent: Tuesday, March 29, 2011 7:39 AM
To: Patrick Goddard
Subject: RE: Final Site-Specific Assessment and O&M Plan for PCBs,
Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Hi Pat-

We're completely inundated and I haven't opened your plan yet. I'll try to get to it as soon as I can.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To: |
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| Kimberly Tisa/R1/USEPA/US@EPA
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| Date: |
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| 03/29/2011 07:38 AM
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| Subject: |
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| RE: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook
School, Lexington (EH&E 17228) Letter dated February 28 |
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|

Hi Kim,

I want to check in with you now that you have had the Operations and Maintenance Plan for one month and find out when we might expect to here back from you on the plan? We are currently working to implement the plan, so we would appreciate your feedback.

I am also attaching a review of the plan that I gave last week to the school community.

Regards,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
]

Sent: Monday, February 28, 2011 7:22 PM

To: Tisa.Kimberly@epa.gov

Cc: Patrick Goddard; Paul Ash; Matt Fragala; Joseph Allen; David MacIntosh

Subject: Final Site-Specific Assessment and O&M Plan for PCBs, Estabrook School, Lexington (EH&E 17228) Letter dated February 28

Ms. Tisa:

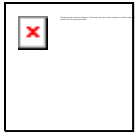
On behalf of Matt Fragala and Joseph Allen, please find the attached amended EH&E cover letter with attachments:

Letter from Town of Lexington,
Massachusetts School Building Authority announcement,
Final Site-Specific Assessment for Polychlorinated Biphenyls for Estabrook School, Lexington, Massachusetts, and the
Operation and Maintenance Plan for Polychlorinated Biphenyls for the Estabrook School (EH&E 17228) in Adobe Acrobat (pdf) format.
The cover letter is updated to include the MSBA announcement.
Please disregard the email sent on February 26.
These documents are to be delivered to you on Tuesday, March 1.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

[attachment "Estabrook O&M Review March 22 2011 Final.ppt" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----



Update: FW: Countered: Lexington Estabrook O&M Plan

Tue 05/31/2011 1:30 PM - 3:00 PM

Attendance is **required** for Kimberly Tisa

Chair: **pgoddard@lexingtonma.gov**

Location: Conference Call

pgoddard@lexingtonma.gov has sent updated information

Required: Kimberly Tisa/R1/USEPA/US

Optional: MFrágala@EHEinc.com, DMacIntosh@eheinc.com

Description

Kim,
I received a counter to move today's conference all to Thursday at 2:30 PM.

Did you send the counter, it showed up in my email coming from pgoddard?

If you did send it, I can speak with you Thursday at 3:00 PM.

Thanks,
Pat

From: Patrick Goddard [<mailto:pgoddard@lexingtonma.gov>]
Sent: Tuesday, May 31, 2011 7:20 AM
To: Patrick Goddard; Patrick Goddard
Subject: Countered: Lexington Estabrook O&M Plan

When: Tuesday, May 31, 2011 1:30 PM-3:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Conference Call

<<Description.htm>> <<Comments.htm>>

(See attached file: Description.htm)(See attached file: Comments.htm)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Re: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228) 

Kimberly Tisa

to: Patrick Goddard

06/13/2011 07:26 AM

Archive: This message is being viewed in an archive.

Pat-

I'm confused on the soil sampling costs....what we spoke about didn't add that many samples to the plan. How did the costs double?

*Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912*

*Phone: 617.918.1527
E-Fax: 617.918.0527*

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---06/09/2011 05:07:47 PM---Hi Kim,

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: Kimberly Tisa/R1/USEPA/US@EPA
Date: 06/09/2011 05:07 PM
Subject: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Hi Kim,

I have just received the updated Estabrook Operations and Maintenance Plan that incorporates your suggestions from our conference call last Thursday. In addition, I am sending you the latest surface sampling results, including a location map of where the samples were collected.

EH&E has also update the soil sampling plan to include the additional samples that you requested during the plan review. EH&E will begin sampling tomorrow and they have informed me that the increased sampling has increased the estimated cost of the plan implementation from \$14,750 to approximately \$30,000.

We have a scheduled Estabrook Advisory Committee meeting on Tuesday the 14th. During the meeting I will review the

Estabrook Operations and Maintenance Management Plan. I have attached the workbook that contains the plan and procedures developed to insure compliance with the plan, which I will review with the committee. I will also review with the committee that during our discussion of June 2nd you commented that you will recommend the plan to your management, but we may not receive further communication on the approval process for several weeks or months. Since we are considering relocating the kindergarten classrooms back to their original locations, your support of the O&M plan and the site specific risk assessment is important information to the community in considering this move. Please confirm back to me that you are in agreement with my reporting your support of the O&M plan on Tuesday evening.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Thursday, June 09, 2011 4:20 PM
To: Patrick Goddard
Cc: Paul Ash; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:

On behalf of Matt Fragala, please find the attached Revision One of the *Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts* (EH&E 17228) in an Adobe Acrobat (.pdf) format.

The document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

[attachment "O&M Plan Rev1 (EH&E 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Surface Memorandum 060811 (EHE 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Estabrook O&M Management Plan.xls" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228) 

Kimberly Tisa

to:

Patrick Goddard

06/13/2011 09:02 AM

Archive:

This message is being viewed in an archive.

Pat-

I'm going to look at what was originally provided. Was the plan not to scale originally? Again, the # of samples have tripled.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2

Boston, MA 02109-3912

Phone: 617.918.1527

E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---06/13/2011 07:55:04 AM---Hi Kim, The original plan developed by the EH&E LSP included 60 samples

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: Kimberly Tisa/R1/USEPA/US@EPA

Date: 06/13/2011 07:55 AM

Subject: RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Hi Kim,

The original plan developed by the EH&E LSP included 60 samples (including quality control) for the soil testing program. Your direction of sampling every ten feet increased the sample size to 157 samples. I am managing my budget for year end (6/30) so Matt let me know immediately that this exceeded his estimate of \$14,700 to complete the plan. They are on site today, and there are some areas that fall at ten feet that can't be sampled, so the actual number will decrease.

Please call if you have other questions. Also, I need your response, please, on the O&M Plan for discussion tomorrow with the Advisory Committee.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov

[<mailto:Tisa.Kimberly@epamail.epa.gov>]

Sent: Monday, June 13, 2011 7:27 AM

To: Patrick Goddard

Subject: Re: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Pat-

I'm confused on the soil sampling costs....what we spoke about didn't add that many samples to the plan. How did the costs double?

Kimberly N. Tisa
U.S. Environmental Protection Agency

5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| Kimberly Tisa/R1/USEPA/US@EPA
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| 06/09/2011 05:07 PM
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| FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)
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Hi Kim,

I have just received the updated Estabrook Operations and Maintenance

Plan that incorporates your suggestions from our conference call last Thursday. In addition, I am sending you the latest surface sampling results, including a location map of where the samples were collected.

EH&E has also update the soil sampling plan to include the additional samples that you requested during the plan review. EH&E will begin sampling tomorrow and they have informed me that the increased sampling has increased the estimated cost of the plan implementation from \$14,750 to approximately \$30,000.

We have a scheduled Estabrook Advisory Committee meeting on Tuesday the 14th. During the meeting I will review the Estabrook Operations and Maintenance Management Plan. I have attached the workbook that contains the plan and procedures developed to insure compliance with the plan, which I will review with the committee. I will also review with the committee that during our discussion of June 2nd you commented that you will recommend the plan to your management, but we may not receive further communication on the approval process for several weeks or months. Since we are considering relocating the kindergarten classrooms back to their original locations, your support of the O&M plan and the site specific risk assessment is important information to the community in considering this move. Please confirm back to me that you are in agreement with my reporting your support of the O&M plan on Tuesday evening.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Thursday, June 09, 2011 4:20 PM
To: Patrick Goddard
Cc: Paul Ash; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:
On behalf of Matt Fragala, please find the attached Revision One of the Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts (EH&E 17228) in an Adobe Acrobat (.pdf) format.
The document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)
[attachment "O&M Plan Rev1 (EH&E 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Surface Memorandum 060811 (EHE 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Estabrook O&M Management Plan.xls" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228) 

Kimberly Tisa

to: Patrick Goddard

06/13/2011 09:17 AM

Archive: This message is being viewed in an archive.

Thanks. The units originally were in meters and not in feet....thus the difference in the #'s of samples.

Another alternative is doing some composite sampling, but it could be a problem because the composite results would need to be adjusted based on the #'s of samples in each composite. We could discuss further if you wish.

*Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912*

*Phone: 617.918.1527
E-Fax: 617.918.0527*

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---06/13/2011 09:11:44 AM---Kim, This is the original layout.

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: Kimberly Tisa/R1/USEPA/US@EPA
Date: 06/13/2011 09:11 AM
Subject: RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Kim,
This is the original layout.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov
[mailto:Tisa.Kimberly@epamail.epa.gov]
Sent: Monday, June 13, 2011 9:03 AM
To: Patrick Goddard
Subject: RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Pat-

I'm going to look at what was originally provided. Was the plan not to scale originally? Again, the # of samples have tripled.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| Kimberly Tisa/R1/USEPA/US@EPA
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| RE: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)
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Hi Kim,

The original plan developed by the EH&E LSP included 60 samples (including quality control) for the soil testing program. Your direction of sampling every ten feet increased the sample size to 157 samples. I am managing my budget for year end (6/30) so Matt let me know immediately that this exceeded his estimate of \$14,700 to complete the plan. They are on site today, and there are some areas that fall at ten feet that can't be sampled, so the actual number will decrease.

Please call if you have other questions. Also, I need your response, please, on the O&M Plan for discussion tomorrow with the Advisory Committee.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov

[<mailto:Tisa.Kimberly@epamail.epa.gov>]

Sent: Monday, June 13, 2011 7:27 AM

To: Patrick Goddard

Subject: Re: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Pat-

I'm confused on the soil sampling costs....what we spoke about didn't add that many samples to the plan. How did the costs double?

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527

E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>

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| Kimberly Tisa/R1/USEPA/US@EPA
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| FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)
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Hi Kim,

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further communication on the approval process for several weeks or months. Since we are considering relocating the kindergarten classrooms back to their original locations, your support of the O&M plan and the site specific risk assessment is important information to the community in considering this move. Please confirm back to me that you are in agreement with my reporting your support of the O&M plan on Tuesday evening.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Thursday, June 09, 2011 4:20 PM
To: Patrick Goddard
Cc: Paul Ash; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:
On behalf of Matt Fragala, please find the attached Revision One of the Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts (EH&E 17228) in an Adobe Acrobat (.pdf) format.
The document is to follow via the mail.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)
[attachment "O&M Plan Rev1 (EH&E 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Surface Memorandum 060811 (EHE 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Estabrook O&M Management Plan.xls" deleted by Kimberly Tisa/R1/USEPA/US]

[attachment "20110613090730490.pdf" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Estabrook Data Summary

Patrick Goddard

to: Kimberly Tisa, Matt Fragala

07/20/2011

Cc: "David MacIntosh"

Archive: This message is being viewed in an archive.

Hi Kim,
Yes, let's plan on talking the week of August 1. We should have the test

results from last weeks air sampling received by then. I am available the afternoon of the 2nd, and all day of the 3rd and the 4th. I am off the 5th.

Can you elaborate on your concern for the school opening schedule? School is opening August 29.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

-----Original Message-----

From: Kimberly Tisa [<mailto:Tisa.Kimberly@epamail.epa.gov>]

Sent: Wednesday, July 20, 2011 8:00 AM

To: Matt Fragala

Cc: David MacIntosh; Patrick Goddard

Subject: RE: Estabrook Data Summary

Unfortunately, starting tomorrow afternoon I'm on vacation until August 1. We can schedule something for that week if you wish. My concern is the schedule for school re-opening.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527

E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Matt Fragala" <MFRagala@EHEinc.com>

To: Kimberly Tisa/R1/USEPA/US@EPA, "David MacIntosh"
<DMacIntosh@eheinc.com>, "Patrick Goddard"
<pgoddard@lexingtonma.gov>

Date: 07/19/2011 10:35 AM

Subject: RE: Estabrook Data Summary

Hi Kim

We did receive your email. I will coordinate with Dave and Pat to set up a conference call to discuss our action plan. Please email me some days and times that you are available for a call and I will set it up.

Matt

-----Original Message-----

From: Kimberly Tisa [<mailto:Tisa.Kimberly@epamail.epa.gov>]

Sent: Tuesday, July 19, 2011 9:12 AM

To: Matt Fragala; David MacIntosh; Patrick Goddard

Subject: Re: Estabrook Data Summary

I have not heard from anyone regarding the recent air sampling results at Estabrook and proposed next steps as noted in my 7/8 e-mail.

I wanted to confirm that you had received my e-mail. I also would like an update on what actions are being taken/evaluated.

Thank you.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: Kimberly Tisa/R1/USEPA/US
To: "Matt Fragala" <Mfragala@EHEinc.com>
Cc: "David MacIntosh" <DMacIntosh@eheinc.com>, "Patrick
Goddard" <pgoddard@lexingtonma.gov>
Date: 07/08/2011 09:18 AM
Subject: Re: Estabrook Data Summary

Let's have a conversation on the proposed next steps. It's July and in order to issue any approvals for the IRM's is problematic given that indoor air still appears problematic.

As I previously mentioned to Matt, there are many products unaccounted for in the O&M. I apologize for not catching this sooner, but I had to go back to earlier documents, namely those from October/November 2010, to capture previously identified < 50 ppm materials.

Everything needs to be accounted for in the O&M, in some way so that what has been identified doesn't get lost.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Matt Fragala" <Mfragala@EHEinc.com>
To: Kimberly Tisa/R1/USEPA/US@EPA
Cc: "Patrick Goddard" <pgoddard@lexingtonma.gov>, "David

MacIntosh" <DMacIntosh@eheinc.com>
Date: 07/06/2011 04:43 PM
Subject: Estabrook Data Summary

Hi Kim

Attached please find the air and bulk summary spread sheet that we spoke about yesterday and a copy of the most recent project memorandum. The purpose of the bulk sampling data was to characterize sources of PCB materials impacting the indoor air and was not intended to be a complete hazardous materials survey. We recognize that additional characterization is needed prior to classification and disposal of some of these materials.

I hope this information is helpful. Feel free to contact me if you have any questions.

Matt A. Fragala M.S., C.I.H.
Senior Scientist
Environmental Health & Engineering
117 Fourth Avenue
Needham, MA 02459
TEL 800-825-5343
FAX 781-247-4305

P Please consider the environment before printing this email.

[attachment "Estabrook PCB Table - Air and Bulk.xls" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Memorandum 070511 (EH&E 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Estabrook Data Summary 

Kimberly Tisa to: Patrick Goddard

07/20/2011 02:14 PM

Archive: This message is being viewed in an archive.

You've got indoor air concentrations exceeding the EPA recommended screening levels.

The thought was that the interim measures that have been undertaken were sufficient to reduce indoor air concentrations below the screening levels....recent data indicates this may not be true. However, I realize that EH&E has indicated that other factors may be involved, such as air ventilation rates.

Thus my reason for wanting to discuss, etc.

Let's see what your recent air samples say.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---07/20/2011 09:24:43 AM---Hi Kim, Yes, let's plan on talking the week of August 1. We should have the test

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: Kimberly Tisa/R1/USEPA/US@EPA, "Matt Fragala" <MFRagala@EHEinc.com>
Cc: "David MacIntosh" <DMacIntosh@eheinc.com>
Date: 07/20/2011 09:24 AM
Subject: RE: Estabrook Data Summary

Hi Kim,
Yes, let's plan on talking the week of August 1. We should have the test results from last weeks air sampling received by then. I am available the afternoon of the 2nd, and all day of the 3rd and the 4th. I am off the 5th.

Can you elaborate on your concern for the school opening schedule?
School is opening August 29.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

-----Original Message-----

From: Kimberly Tisa [<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Wednesday, July 20, 2011 8:00 AM
To: Matt Fragala
Cc: David MacIntosh; Patrick Goddard
Subject: RE: Estabrook Data Summary

Unfortunately, starting tomorrow afternoon I'm on vacation until August 1. We can schedule something for that week if you wish. My concern is the schedule for school re-opening.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Matt Fragala" <Mfragala@EHEinc.com>
To: Kimberly Tisa/R1/USEPA/US@EPA, "David MacIntosh"
<DMacIntosh@eheinc.com>, "Patrick Goddard"
<pgoddard@lexingtonma.gov>
Date: 07/19/2011 10:35 AM
Subject: RE: Estabrook Data Summary

Hi Kim

We did receive your email. I will coordinate with Dave and Pat to set up a conference call to discuss our action plan. Please email me some days and times that you are available for a call and I will set it up.

Matt

-----Original Message-----

From: Kimberly Tisa [<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Tuesday, July 19, 2011 9:12 AM
To: Matt Fragala; David MacIntosh; Patrick Goddard
Subject: Re: Estabrook Data Summary

I have not heard from anyone regarding the recent air sampling results at Estabrook and proposed next steps as noted in my 7/8 e-mail.

I wanted to confirm that you had received my e-mail. I also would like an update on what actions are being taken/evaluated.

Thank you.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: Kimberly Tisa/R1/USEPA/US
To: "Matt Fragala" <Mfragala@EHEinc.com>
Cc: "David MacIntosh" <DMacIntosh@eheinc.com>, "Patrick Goddard"
<pgoddard@lexingtonma.gov>
Date: 07/08/2011 09:18 AM
Subject: Re: Estabrook Data Summary

Let's have a conversation on the proposed next steps. It's July and in order to issue any approvals for the IRM's is problematic given that

indoor air still appears problematic.

As I previously mentioned to Matt, there are many products unaccounted for in the O&M. I apologize for not catching this sooner, but I had to go back to earlier documents, namely those from October/November 2010, to capture previously identified < 50 ppm materials.

Everything needs to be accounted for in the O&M, in some way so that what has been identified doesn't get lost.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Matt Fragala" <Mfragala@EHEinc.com>
To: Kimberly Tisa/R1/USEPA/US@EPA
Cc: "Patrick Goddard" <pgoddard@lexingtonma.gov>, "David MacIntosh" <DMacIntosh@eheinc.com>
Date: 07/06/2011 04:43 PM
Subject: Estabrook Data Summary

Hi Kim

Attached please find the air and bulk summary spread sheet that we spoke about yesterday and a copy of the most recent project memorandum. The purpose of the bulk sampling data was to characterize sources of PCB materials impacting the indoor air and was not intended to be a complete hazardous materials survey. We recognize that additional characterization is needed prior to classification and disposal of some of these materials.

I hope this information is helpful. Feel free to contact me if you have any questions.

Matt A. Fragala M.S., C.I.H.
Senior Scientist
Environmental Health & Engineering
117 Fourth Avenue
Needham, MA 02459
TEL 800-825-5343
FAX 781-247-4305

P Please consider the environment before printing this email.

[attachment "Estabrook PCB Table - Air and Bulk.xls" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Memorandum 070511 (EH&E 17228).pdf" deleted by Kimberly Tisa/R1/USEPA/US]

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Lexington Estabrook School & PCB Testing

Patrick Goddard

to: Esty, Benjamin, Kimberly Tisa

09/27/2011

Cc: dmacintosh

Archive: This message is being viewed in an archive.

Ms. Tisa,

We held a PTA meeting last night to discuss status of the PCB effort at Estabrook School and the progress on the MSBA Feasibility Study to address school deficiencies identified in the Statement of Interest.

As you recall, after having very stable PCB measurements throughout the winter, we saw increased measures during May and June. Our Advisory Committee and EH&E developed additional tests to determine if we could determine if we could lower these readings. Through these additional tests EH&E reported that the increase in ambient temperature appeared to be the cause of the increased PCB measures, and that by implementing four changes in our O&M Plan we could manage the concentration and achieve a school year average of approximately 115 to 125 ng/m3.

These changes were included in the recently submitted version 2 of the O&M Plan. We have not changed the number of air samples in the O&M Plan through all three versions.

Last night several parents asked for the number of air samples to be increased so that more information could be obtained on specific classrooms. The Superintendent, Dr. Ash, assured the audience that we would increase the number of samples from the 27 in the O&M Plan to about 40 since this was a concern for the parents.

EH&E is now developing a sampling plan for October so that we can have a set of sample that are in the 60/70 F ambient range to fill in "gaps" in the ambient temperature/ PCB ng/m3 profile and to increase the number of samples to meet the concerns expressed by Estabrook parents.

As I mentioned last week, I believe we have submitted all of the information requested in order for the O&M Plan to be reviewed. Let me know if you would like to discuss any of the information.

Mr. Esty, thank you for copying myself and Dr. MacIntosh on your correspondence with Ms. Tisa.

Regards,

Pat Goddard

From: Esty, Benjamin [<mailto:besty@hbs.edu>]
Sent: Tuesday, September 27, 2011 12:50 PM
To: tisa.kimberly@epa.gov
Cc: Patrick Goddard; dmacintosh@eheinc.com
Subject: Lexington Estabrook School & PCB Testing
Importance: High

Dear Ms. Tisa:

As the parent of a child in Lexington's Estabrook Elementary School, I am writing to urge that you require additional air testing at the school over the coming school year largely as a matter of science, but also as a matter of assurance for concerned parents. I raised this issue at last night's school committee/PTA meeting, and seem to have gotten agreement from Dr. Ash (the superintendent) and the environmental consultants—I deeply appreciate their willingness to consider additional testing. That said, I am writing you with the hope that you will reinforce the need for additional testing rather than approving a much lower level of air testing as recommended in the town's revised Operation and Maintenance Plan (O&M plan). Without a doubt, there has been an enormous amount of work done on this matter by the town, the school officials, and your office for which we are very grateful. We all have the same goal—a safe and effective learning environment—and I believe we are headed in that direction, with just a few disagreements on the correct path forward.

After completing approximately 240 air samples tests last year, the town's revised "Operation and Maintenance Plan" calls for something like only 27 tests this coming year. A 90% reduction in air testing does not seem appropriate in the face of the somewhat surprising and very troubling results observed in June and July 2011. (See the attached sheet showing the test results for rooms 2, 4, 20, 21B, 22, and the library).

The plan submitted by the town and its environmental consultants (EH&E) makes one critical assumption: all of the classrooms are identical (i.e., they have equal levels of PCP contamination). Based on this one key assumption, they propose a testing methodology for the coming year and a forecasting methodology that shows the average classroom will have an average contamination rate below the 230ng/m3 limit prescribed by your office. Yet we know from past test results (see attached), that some rooms have had dramatically higher PCP levels over time, and we are still observing dramatically different levels in the most recent tests (July 2011). Moreover, at least two of the rooms in question (Rooms 2 and 4) house the smallest (and therefore most vulnerable) children—the kindergarten classes. These children have the lowest exposure thresholds and, therefore, require extra protection.

Unfortunately, and critically, EH&E does not have sufficient within room data to justify the claim that all rooms are identical. While it is possible that the rooms are identical (i.e., they are not statistically different), a much more likely explanation is that the consultants have employed (and are relying upon for their proposed maintenance plan) weak statistical tests that are not able to differentiate PCP levels among the various rooms: with only 3-5 observations per classroom since November 2010, the tests don't have the ability to distinguish one classroom from another. In statistical terms, they have used VERY low power tests, and are unable to reject the null hypothesis that the rooms are equivalent. As a result, we may have a very serious "type II" error here.

A second, but less important issue is the impact of temperature. Most of post-remediation testing has been done in cold-weather when PCP emissions are lower. The recent warm weather tests illustrate the need for more warm and moderate temperature testing.

From my perspective, both as a parent and as someone who has studied a lot of statistics, the obligation should be to protect the children in the worst rooms, not in the average room. We need to know that all children (and staff) are safe, not just the children in the average or the low contamination rooms. And testing levels of >500ng/m3 really deserve greater investigation and a higher burden of proof. In short, I just don't feel comfortable with the assumption that all rooms are equal and don't think EH&H has met the burden of proof to assert this claim or to utilize this very critical assumption.

I therefore ask you to review this issue before approving the revised O&M plan for Estabrook School. A possible action plan would be to ask for ~20 additional tests in addition to the ones currently planned by EH&E. Ideally, these additional tests would be completed very soon:

- 1) Early October (as soon as possible), test rooms 2, 4, 20, 21B, 22, and the library
- 2) Early November, test rooms 1, 3, 5, 6, 13, 21A, 24, 39B, and 39C
- 3) Early December test the teacher work rooms, art room, music room, SPED office, and Hall office

Even with ~50 tests (27 planned plus ~20 additional), we are still showing a dramatic reduction in the number of tests from last year (we are still down ~80% in testing). I think the additional testing will go a long way in appeasing nervous parents on this very emotional, very complicated, and very serious issue.

I would be happy to discuss this matter with you if that is appropriate.

Regards,
Ben Esty

Ben Esty
4 Ballard Terrace
Lexington, MA 02420
Ph: (781) 274-6350
E-mail: besty@hbs.edu

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Lexington Estabrook School & PCB Testing 

Kimberly Tisa to: Patrick Goddard

09/28/2011 06:34 AM

Cc: "Esty, Benjamin", dmacintosh

Archive: This message is being viewed in an archive.

Thank you for the information, Mr. Goddard.

I did receive Mr. Esty's e-mail regarding increasing the air samples to be collected as part of Estabrook's LT O&M plan. EPA recognizes and appreciates the school's commitment to ensuring a safe environment for students and staff at Estabrook.

With that said, EPA is reviewing your recent air testing results and the revised O&M plan (with inclusion of the additional samples proposed below.) Should I have any questions or require any additional information on the plan, I will give you a call. I also would appreciate seeing the October sampling plan prior to its implementation.

As I indicated in our discussion in August, I would like to have a further discussion with Dr. MacIntosh regarding methods. If there is an opportunity either tomorrow or next week, I would appreciate a call to discuss further.

Should you have any further questions, please don't hesitate to call.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

▼ "Patrick Goddard" ---09/27/2011 06:27:07 PM---Ms. Tisa,

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: "Esty, Benjamin" <besty@hbs.edu>, Kimberly Tisa/R1/USEPA/US@EPA
Cc: <dmacintosh@eheinc.com>
Date: 09/27/2011 06:27 PM
Subject: RE: Lexington Estabrook School & PCB Testing

Ms. Tisa,

We held a PTA meeting last night to discuss status of the PCB effort at Estabrook School and the progress on the MSBA Feasibility Study to address school deficiencies identified in the Statement of Interest.

As you recall, after having very stable PCB measurements throughout the winter, we saw increased measures during May and June. Our Advisory Committee and EH&E developed additional tests to determine if we could determine if we could lower these readings. Through these additional tests EH&E reported that the increase in ambient temperature appeared to be the cause of the increased PCB measures, and that by implementing four changes in our O&M Plan we could manage the concentration and achieve a school year average of approximately 115 to 125 ng/m3.

These changes were included in the recently submitted version 2 of the O&M Plan. We have not changed the number of air samples in the O&M Plan through all three versions.

Last night several parents asked for the number of air samples to be increased so that more information could be obtained on specific classrooms. The Superintendent, Dr. Ash, assured the audience that we would increase the number of samples from the 27 in the O&M Plan to about 40 since this was a concern for the parents.

EH&E is now developing a sampling plan for October so that we can have a set of sample that are in the 60/70 F ambient range to fill in "gaps" in the ambient temperature/ PCB ng/m3 profile and to increase the number of samples to meet the concerns expressed by Estabrook parents.

As I mentioned last week, I believe we have submitted all of the information requested in order for the O&M Plan to be reviewed. Let me know if you would like to discuss any of the information.

Mr. Esty, thank you for copying myself and Dr. MacIntosh on your correspondence with Ms. Tisa.

Regards,

Pat Goddard

From: Esty, Benjamin [<mailto:besty@hbs.edu>]
Sent: Tuesday, September 27, 2011 12:50 PM
To: tisa.kimberly@epa.gov
Cc: Patrick Goddard; dmacintosh@eheinc.com
Subject: Lexington Estabrook School & PCB Testing
Importance: High

Dear Ms. Tisa:

As the parent of a child in Lexington's Estabrook Elementary School, I am writing to urge that you require additional air testing at the school over the coming school year largely as a matter of science, but also as a matter of assurance for concerned parents. I raised this issue at last night's school committee/PTA meeting, and seem to have gotten agreement from Dr. Ash (the superintendent) and the environmental consultants—I deeply appreciate their willingness to consider additional testing. That said, I am writing you with the hope that you will reinforce the need for additional testing rather than approving a much lower level of air testing as recommended in the town's revised Operation and Maintenance Plan (O&M plan). Without a doubt, there has been an enormous amount of work done on this matter by the town, the school officials, and your office for which we are very grateful. We all have the same goal—a safe and effective learning environment—and I believe we are headed in that direction, with just a few disagreements on the correct path forward.

After completing approximately 240 air samples tests last year, the town's revised "Operation and Maintenance Plan" calls for something like only 27 tests this coming year. A 90% reduction in air testing does not seem appropriate in the face of the somewhat surprising and very troubling results observed in June and July 2011. (See the attached sheet showing the test results for rooms 2, 4, 20, 21B, 22, and the library).

The plan submitted by the town and its environmental consultants (EH&E) makes one critical assumption: all of the classrooms are identical (i.e., they have equal levels of PCP contamination). Based on this one key assumption, they propose a testing methodology for the coming year and a forecasting methodology that shows the average classroom will have an average contamination rate below the 230ng/m3 limit prescribed by your office. Yet we know from past test results (see attached), that some rooms have had dramatically higher PCP levels over time, and we are still observing dramatically different levels in the most recent tests (July

2011). Moreover, at least two of the rooms in question (Rooms 2 and 4) house the smallest (and therefore most vulnerable) children—the kindergarten classes. These children have the lowest exposure thresholds and, therefore, require extra protection.

Unfortunately, and critically, EH&E does not have sufficient within room data to justify the claim that all rooms are identical. While it is possible that the rooms are identical (i.e., they are not statistically different), a much more likely explanation is that the consultants have employed (and are relying upon for their proposed maintenance plan) weak statistical tests that are not able to differentiate PCP levels among the various rooms: with only 3-5 observations per classroom since November 2010, the tests don't have the ability to distinguish one classroom from another. In statistical terms, they have used VERY low power tests, and are unable to reject the null hypothesis that the rooms are equivalent. As a result, we may have a very serious "type II" error here.

A second, but less important issue is the impact of temperature. Most of post-remediation testing has been done in cold-weather when PCP emissions are lower. The recent warm weather tests illustrate the need for more warm and moderate temperature testing.

From my perspective, both as a parent and as someone who has studied a lot of statistics, the obligation should be to protect the children in the worst rooms, not in the average room. We need to know that all children (and staff) are safe, not just the children in the average or the low contamination rooms. And testing levels of >500ng/m3 really deserve greater investigation and a higher burden of proof. In short, I just don't feel comfortable with the assumption that all rooms are equal and don't think EH&H has met the burden of proof to assert this claim or to utilize this very critical assumption.

I therefore ask you to review this issue before approving the revised O&M plan for Estabrook School. A possible action plan would be to ask for ~20 additional tests in addition to the ones currently planned by EH&E. Ideally, these additional tests would be completed very soon:

- 1) Early October (as soon as possible), test rooms 2, 4, 20, 21B, 22, and the library
- 2) Early November, test rooms 1, 3, 5, 6, 13, 21A, 24, 39B, and 39C
- 3) Early December test the teacher work rooms, art room, music room, SPED office, and Hall office

Even with ~50 tests (27 planned plus ~20 additional), we are still showing a dramatic reduction in the number of tests from last year (we are still down ~80% in testing). I think the additional testing will go a long way in appeasing nervous parents on this very emotional, very complicated, and very serious issue.

I would be happy to discuss this matter with you if that is appropriate.

Regards,
Ben Esty

Ben Esty
4 Ballard Terrace
Lexington, MA 02420
Ph: (781) 274-6350
E-mail: besty@hbs.edu

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Superintendent's Advisory Committee

Patrick Goddard

to:

Kimberly Tisa

05/23/2011

Archive:

This message is being viewed in an archive.

Hi Kim,

We are continuing to see good results for Estabrook School. Our April air sampling results all came back with under 200ng/m3, which our O&M plan has established as our annual target maximum value. That is now 63 air samples since completion of the mini-walls that have been under 200ng/m3, all with winter ventilation settings.

The school year is drawing to a close and we are preparing plans for the summer and fall. Our Kindergarten classes are all in classrooms that are post 1978 construction and these rooms air concentration results have been under 100ng/m3. We are looking for your feedback on the proposed O&M target maximum value of 200ng/m3, as developed by the site-specific risk assessment. We are considering relocating these classes back to their original rooms over the summer.

I will call you on Thursday afternoon to discuss the status of the plan and how we can move forward. If that doesn't work for you let me know and I can reschedule.

Thanks,

Pat

Patrick W Goddard

Director of Public Facilities

Town of Lexington

201 Bedford Street

Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov

From: Paul B. Ash [<mailto:pash@sch.ci.lexington.ma.us>]

Sent: Saturday, May 21, 2011 12:00 PM

To: estabrook.advisory@gmail.com; Patrick Goddard; Sandra Trach; Gerard Cody; alessandrini@comcast.net; Katherine O'Hare Gibson; Caroline St. Onge; Heather Kramer; Ellen Silberman

Cc: betsy@philidor.com; Miriam Sousa

Subject: Superintendent's Advisory Committee

Dear Members of the Estabrook Advisory Committee.

I have attached the latest test results. By mid-June, we will receive the final tests for this school year. The June results will show PCB levels when the airflow is set for summer circulation.

I would like to hold one final meeting this year to discuss the May and June PCB reports and our on-going maintenance plan. We hope to have received word from the EPA on the plan.

Given everyone's very busy schedule, are you available on June 13, 14, or 15 at 7 pm? Please email me and let me know when you can meet. (See attached file: Memorandum (EH&E 17228).pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Data Update

Patrick Goddard

to: Kimberly Tisa

09/20/2011

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Kim,
EH&E has updated the air and bulk sampling data they provided last spring. It is provided here for your use.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: Patrick Goddard
Sent: Friday, September 16, 2011 10:22 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: 'Matt Fragala'
Subject: FW: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Ms. Tisa,

I have sending your four documents for your review. The first is revision 2 of the O&M plan, that you also received on 9/2. Another attachment includes the results of surface sampling conducted over the summer. Lastly, there are two additional documents that have been prepared by EH&E, one that summarize the results of the mitigation efforts implemented last September and one that summarizes the influence of ambient temperature on average indoor PCB concentration.

My understanding is that EH&E has responded to all of your outstanding requests for additional information that resulted from your review of our earlier version of the O&M Plan. Please notify me if that is not the case.

Lastly, we are presenting to the Estabrook community at a 9/26 PTA meeting where we will give an update on our O&M Plan and the soil remediation, which should be complete by that date.

Let me know if you need anything further at this time.
Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: EH&E Production Department [<mailto:ProductionDepartment@eheinc.com>]
Sent: Friday, September 02, 2011 7:18 PM
To: Patrick Goddard
Cc: Paul Ash; Tisa.Kimberly@epa.gov; Matt Fragala
Subject: O&M Plan for PCBs, Estabrook School (EH&E 17228)

Mr. Goddard:
On behalf of Matt Fragala, please find the attached Revision Two of the Operations and Maintenance Plan for Polychlorinated Biphenyls, Estabrook School, Lexington, Massachusetts (EH&E 17228) in an Adobe Acrobat (.pdf) format.
Should you have any questions, please contact Matt directly.

Environmental Health & Engineering, Inc.
Production Department
1-800-825-5343 (1-800-EHE-TALK)

(See attached file: 9.19.11 Estabrook PCB Table - Air and Bulk.xls)
----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: PCB Ceiling Tile work

Patrick Goddard to: Tisa.Kimberly

09/22/2010

Cc: "David MacIntosh", McQueen.Jacqueline, guo.zhishi

Archive: This message is being viewed in an archive.

Kim,
We have results for several types of ceiling tiles in Room 6, which is one of the rooms we plan to remediate.

Old type tiles: 530 ppm and 970 ppm
New, smooth tile: 14.3 ppm
New, std. type: 18.3 ppm
New, shiny new type: 141.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov
[<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Wednesday, September 22, 2010 9:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: David MacIntosh; McQueen.Jacqueline@epamail.epa.gov; Patrick Goddard; guo.zhishi@epamail.epa.gov

Subject: RE: PCB Ceiling Tile work

Pat-

Thank you for your voice mail last night regarding the scope of work for removal of the ceiling tiles in the kindergarten. I will look for it today so that I review it.

With respect to the ceiling tiles, what was the PCB concentration in the kindergarten? As you know, EPA ORD was interested in getting some ceiling tiles some studies it is undertaking. Given that the rest of the building may not be done until school isn't in session, getting the kindergarten tiles may be a good starting point.

If you are going to be doing the work this weekend, perhaps we can put some tiles aside and get info from ORD early next week on the shipping.

Jackie, is this doable?

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From: |
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| Kimberly Tisa/R1/USEPA/US
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| To: |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| Cc: |
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>-----|
| "David MacIntosh" <DMacIntosh@eheinc.com>, Jacqueline
McQueen/DC/USEPA/US@EPA, Zhishi Guo/RTP/USEPA/US@EPA
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| 09/21/2010 07:13 AM
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| Subject:   |
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| RE: PCB Samples
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Pat is associated with Lexington where we have ceiling tiles and caulk.

I have ballasts at another school.

Kimberly N. Tisa
 U.S. Environmental Protection Agency
 5 Post Office Square, Suite 100
 Mail Code: OSRR07-2
 Boston, MA 02109-3912

Phone: 617.918.1527
 E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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|----->
| From:      |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To:        |
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|Jacqueline McQueen/DC/USEPA/US@EPA, "David MacIntosh"
<DMacIntosh@eheinc.com>
|

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|----->
|Cc: |
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|Kimberly Tisa/R1/USEPA/US@EPA, Zhishi Guo/RTP/USEPA/US@EPA
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|----->
|Date: |
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|09/20/2010 10:35 PM
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|----->
|Subject: |
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|RE: PCB Samples
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David,
Perhaps you can send to EPA the bulk material results to date.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: McQueen.Jacqueline@epamail.epa.gov [
<mailto:McQueen.Jacqueline@epamail.epa.gov>]

Sent: Monday, September 20, 2010 6:31 PM
To: Patrick Goddard
Cc: tisa.kimberly@epamail.epa.gov; guo.zhishi@epamail.epa.gov
Subject: Re: PCB Samples

Many thanks! Our lead researcher will be back in the lab on Friday, and we will work with him on transport, packaging, chain of custody, etc. We'll be in touch.

Just to confirm, this will not be for ballasts, only ceiling tiles and caulk, right?

Thanks again, and thanks, Kim!

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development
Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>

To: <McQueen.Jacqueline@epamail.epa.gov>,
<Tisa.Kimberly@epamail.epa.gov>

Date: 09/20/2010 02:54 PM

Subject: PCB Samples
t:

The Superintendent has authorized me to release these samples. Let me know how you want to proceed.

Pat
Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: McQueen.Jacqueline@epamail.epa.gov
[mailto:McQueen.Jacqueline@epamail.epa.gov]
Sent: Monday, September 20, 2010 10:12 AM
To: Tisa.Kimberly@epamail.epa.gov
Cc: Patrick Goddard
Subject: RE: FW: air samples

No negative consequences on our end. We don't even want to know where the samples came from. We are only interested in testing, not enforcement.

Jackie

Jacqueline McQueen
U.S. Environmental Protection Agency (8104R)
Office of Research and Development
Office of Science Policy
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
(202) 564-6639

From: Kimberly Tisa/R1/USEPA/US

To: "Patrick Goddard" <pgoddard@lexingtonma.gov>

Cc: McQueen.Jacqueline@epamail.epa.gov

Date: 09/20/2010 10:03 AM

Subject: RE: FW: air samples

Not that I am aware.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

From: "Patrick Goddard" <pgoddard@lexingtonma.gov>
To: <Tisa.Kimberly@epamail.epa.gov>
Cc: <McQueen.Jacqueline@epamail.epa.gov>
Date: 09/20/2010 09:38 AM
Subject: RE: FW: air samples

Kim,
I assume there would not be any potential negative consequences from giving the samples?

We can ask for approval tomorrow night at the School Committee meeting.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov
[mailto:Tisa.Kimberly@epamail.epa.gov]
Sent: Monday, September 20, 2010 9:37 AM
To: Patrick Goddard
Cc: McQueen.Jacqueline@epamail.epa.gov
Subject: Re: FW: air samples

Pat-

I received on inquiry from EPA-HQ on the possibility of obtaining PCB samples for our ORD lab.

As I may have mentioned to you, EPA is currently doing assessment of various products and their potential effect on indoor air. They are interested in obtaining samples of caulk and possibly ceiling tiles...I

know you have both.

Would the school board be amenable to releasing some of these products to EPA? We would be responsible for shipment, etc.

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From:      |
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| "Patrick Goddard" <pgoddard@lexingtonma.gov>
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| To:        |
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| Kimberly Tisa/R1/USEPA/US@EPA
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| Date:      |
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| 09/20/2010 08:39 AM
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| Subject:   |
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| FW: air samples
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Kim,

We received this notification from EH&E on Saturday that the lab was not able to process reliable results due to an interferent. We repeated the sampling yesterday and EH&E is delivering the new samples this morning. We are hopeful that these results will be available Thursday.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: David MacIntosh [<mailto:DMacIntosh@eheinc.com>]
Sent: Saturday, September 18, 2010 1:10 PM
To: Patrick Goddard
Subject: air samples

Pat-

We received the lab report from Alpha for the indoor air samples. As expected the detection limits had to be increased because of the presence of an interferent in the extracts. Instead of a 5 ng/m³ detection limit for each homolog, the limit increased to 50 ng/m³. We are looking into the cause; the information available at present indicates a problem at the lab, not with the sampling. This preliminary conclusion is based on the fact that all 8 samples had an interferent, including the media blank (no air was pulled through this cartridge) and the sample collected in Room 26 (no encapsulation work was done there). We may be seeing the effects of several weeks of rush orders and backlog at the lab - I'll know more on Monday after speaking with the lab director. The Town will not be charged for the lab costs or for the time spent collecting the samples.

We may be able to infer a ceiling for the indoor air concentrations last Sunday, but we need to look at the results more thoroughly and gather additional information from the lab before reaching a conclusion. If a ceiling could be inferred, I believe it would be in the range of 300 ng/m³, which would have some informational value for us. I'm not that optimistic right now, it's definitely worth looking into further.

Regardless, we need to sample the indoor air again. Tomorrow (Sunday) is best given the timeline for decision making. Matt is prepared to start the samples in the morning. He will need access to the school. In addition, we should talk with Sean about putting the OA dampers in rooms 13 and 24 back into the minimum setting. If the linkages are still in place, then we can use the thermostat to reset the dampers. If not, I would like to connect Sean and Matt so that they can figure out how to coordinate repositioning the dampers. Finally, before authorizing the lab to analyze the samples collected tomorrow, I will require that they demonstrate no problems with blanks (blinded to the lab) that will be delivered to them first thing Monday morning.

This situation pains me greatly. Please call my cell (617-593-1631) when

you are free to talk.

Dave

David L. MacIntosh, Sc.D.
Principal Scientist
Associate Director, Advanced Analytics
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725
800.825.5343 (o)
617.593.1631 (m)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Estabrook Air Sampling Plan for All Rooms

Patrick Goddard

to: Kimberly Tisa

11/10/2010

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Kim,
I spoke to Matt and confirmed that he would conduct wipe samples tomorrow on glazing and transite panel caulk.

Attached is our air sampling plan for the next month.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov
(See attached file: *Air Sampling Plan Estabrook.pdf*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} MSBA Estabrook Vote

Patrick Goddard

to: Kimberly Tisa

02/14/2011

Archive: This message is being viewed in an archive.

Good morning Kim

The link below will take you to the MSBA press release on its Estabrook vote.

http://www.massschoolbuildings.org/news_events/2.9.11Board/Lexington

This is a successful first step in expediting the replacement of the school.

Let me know if you have any questions.

Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: Field samples for PCB off-gassing tests

Patrick Goddard

to: Kimberly Tisa, Zhishi Guo

10/01/2010

Cc: Jacqueline McQueen, "David MacIntosh"

Archive: This message is being viewed in an archive.

Kim,
Yes, this is being coordinated by EH&E.

I am all set.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Tisa.Kimberly@epamail.epa.gov

[<mailto:Tisa.Kimberly@epamail.epa.gov>]

Sent: Thursday, September 30, 2010 11:45 AM

To: guo.zhishi@epamail.epa.gov

Cc: McQueen.Jacqueline@epamail.epa.gov; Patrick Goddard

Subject: Re: Field samples for PCB off-gassing tests

Zhishi-

I've already coordinated this with Dave MacIntosh (EH&H), who is working at Pat's site.

I assume that Dave has already spoken to Pat about this.

Pat, please confirm if you require anything else.

Thanks much!

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

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| From: |
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| Zhishi Guo/RTP/USEPA/US
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| To: |
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| pgoddard@lexingtonma.gov
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| Cc: |
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| Kimberly Tisa/R1/USEPA/US@EPA, Jacqueline McQueen/DC/USEPA/US@EPA
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| Date: |
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| 09/30/2010 11:14 AM
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| Subject: |
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|Field samples for PCB off-gassing tests
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Patrick:

My name is Zhishi Guo. I am a Senior Scientist at the U.S. EPA National Risk Management Research Laboratory, and the Team Leader of an on-going study on PCB source characterization and evaluation of mitigation methods. We have recently asked EPA Region 1 to help us obtain a few field samples for testing of PCB off-gassing under laboratory conditions. The purpose is to characterize the PCB sources to better understand how PCBs transport and distribute in contaminated buildings.

It is my understanding that Kim Tisa of Region 1 has made arrangements for your organization to provide us with two ceiling tile samples., and that you may be able to provide us with caulk samples. If possible, we would like to receive two types of caulk with high PCB content. The procedure for collecting and transporting the samples is provided in the first attachment. Section 2.1 is for collecting caulk. Please read Section 1 carefully about revealing the exact sampling locations.

We thank you for helping us. Please let me know if you have any questions.

[attachment "Sampling procedure for R1-v1b.pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Sample Collection Custody Record.pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Sample Shipping Custody Record.pdf" deleted by Kimberly Tisa/R1/USEPA/US]

Best regards,

Zhishi Guo, Ph.D.
U.S. Environmental Protection Agency
Office of Research & Development
National Risk Management Research Laboratory
Air Pollution Prevention & Control Division
Indoor Environment Management Branch
919-541-0185 (Telephone)
919-541-2157 (Fax)
guo.zhishi@epa.gov

Street Address: 109 Alexander Dr., Room E384, Research Triangle Park, NC
Send mail to: U.S. EPA, Mail Code E305-03, Research Triangle Park, NC
27711
Send packages to: U.S. EPA, 4930 Old Page Rd., Durham, NC 27709

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: follow-up/ Advisory Committee

Patrick Goddard

to: Kimberly Tisa

11/04/2010

Archive: This message is being viewed in an archive.

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

(See attached file: EstabrookMapStars.pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} FW: Today's vote on Bridge, Bowman, and Estabrook

Patrick Goddard

to: Kimberly Tisa

01/30/2012

Archive: This message is being viewed in an archive.

Hi Kim,

I have good news on both sampling results and progress towards a replacement school. The voters approved a debt exclusion on January 24, so we are continuing on schedule for a new school before the end of 2014. Also, the results of the December 29, 2011 sampling showed very low PCB concentrations in the air and no detectable PCB on surfaces.

We are current with our O&M plan. I will provide you another update after the April testing.

Regards,

Pat Goddard

From: Paul B. Ash [<mailto:pash@sch.ci.lexington.ma.us>]

Sent: Tuesday, January 24, 2012 11:19 PM

To: pilar48@aol.com; Mary Ellen Dunn; Linda Chase; Robert J. Harris; Thomas Plati; Carol A. Pilarski; Patrick Goddard; Carl Valente

Cc: School Committee

Subject: Today's vote on Bridge, Bowman, and Estabrook

Dear Colleagues:

I am very pleased to report the results of today's Proposition 2 1/2 vote to authorize funds for the Bridge and Bowman school renovation projects (total - \$23,000,000) and funds to build a new Estabrook school (\$42,000,000). The Bridge/Bowman question passed 3,755 yes votes to 1,944 no votes (66.6% yes to 33.4% no). The Estabrook question passed 4,139 yes votes to 1,569 no votes (72.5% yes to 27.5% no).

This election was an incredible win for the Lexington Public Schools. With these funds, we will be able to provide high quality educational spaces for all Bridge, Bowman, and Estabrook students and school personnel for at least 20 years. This win also means that future school needs (both capital and operating) won't have to compete with Bridge/Bowman/Estabrook capital needs, since today's spending authorization will be funded outside the normal tax levy limit under Proposition 2 1/2. Normal tax revenues can now be used to fund other future needs.

I wish to publicly thank Pat Goddard, Meg Colella, Mary Anton, Sandy Trach, all other school administrators who worked these projects, the faculty and staff members at each school, the School Committee, the Board of Selectmen, the members of the Appropriations and Capital Committees, Town Meeting Members, the members of the Permanent Building Committee, the PTAs at each school, and Carl Valente (Town Manager) for their leadership during these past three years. Their leadership, hard work, and perseverance made today's vote possible. I also want to thank the residents of Lexington for once again supporting the Lexington Public Schools. Lexington is a great town with a long history of supporting outstanding public education. Today's vote was one more clear voice that Lexington residents deeply care about their children's education, our work with students, and the quality of the schools.

Based on current plans, we expect all three building project to be substantially completed by September, 2014.

I deeply appreciate the community's support for our schools.

Sincerely,
Paul B. Ash

Superintendent of Schools(See attached file: Air Samples (EH&E 17892).pdf)(See attached file: Wipe Samples 12 11 (EHE 17892).pdf)(See attached file: O&M Management Plan Schedule Jan 27 2012.pdf)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} RE: FW: Release Abatement Measure Completion Report-Estabrook ES

Patrick Goddard

to: Kimberly Tisa

12/08/2011

Archive:

This message is being viewed in an archive.

Hi Kim,
I mailed our acceptance of the PCB Risk-Based approval from the post office today. You should see it tomorrow.

Thanks,
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

From: Tisa.Kimberly@epamail.epa.gov [<mailto:Tisa.Kimberly@epamail.epa.gov>]
Sent: Monday, November 28, 2011 2:53 PM
To: Patrick Goddard
Subject: Re: FW: Release Abatement Measure Completion Report-Estabrook ES

Thanks, Pat.

I thought about the soil report, but didn't have the dates at home as these records are in a different file. When I get to the office tomorrow, I will include them Thanks much!

Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617.918.1527
E-Fax: 617.918.0527

tisa.kimberly@epa.gov

FW: Release Abatement Measure Completion Report-Estabrook ES

Patrick Goddard

to: Kimberly Tisa

11/28/2011 12:18 PM

Kim,
As noted, see -email below from Cynthia Campisano on 11/4.
Pat

Patrick W Goddard
Director of Public Facilities
Town of Lexington

201 Bedford Street
Lexington, MA 02420

781-274-8958
pgoddard@lexingtonma.gov

-----Original Message-----

From: Matt Fragala [<mailto:MFragala@EHEinc.com>]
Sent: Monday, November 28, 2011 10:20 AM
To: Patrick Goddard
Cc: David MacIntosh
Subject: FW: Release Abatement Measure Completion Report-Estabrook ES

Hi Pat

The final soil report and this response to questions from EPA is missing from the admin record. I will send you a copy of the final soil report next.

Matt

-----Original Message-----

From: Cynthia Campisano
Sent: Friday, November 04, 2011 12:33 PM
To: 'Woodward.Katherine@epamail.epa.gov'
Cc: Tisa.Kimberly@epamail.epa.gov; Matt Fragala
Subject: RE: Release Abatement Measure Completion Report-Estabrook ES

Hi Kate,

Please see below for responses to your questions. Attached please find the final manifest as requested. If you prefer, I can also provide a memo or update for your records with the responses provided below. Please let me know if you would like a summary document or any other additional information. Thanks for your help.

Cynthia D. Campisano, PG
Senior Scientist/Project Executive
Environmental Health & Engineering, Inc.
781-247-4300

-----Original Message-----

From: Woodward.Katherine@epamail.epa.gov
[<mailto:Woodward.Katherine@epamail.epa.gov>]
Sent: Wednesday, October 26, 2011 12:05 PM
To: Cynthia Campisano
Cc: Tisa.Kimberly@epamail.epa.gov
Subject: Release Abatement Measure Completion Report-Estabrook ES

Cindee,

I reviewed the report and I have a couple of questions/comments before we can close out this portion of the project:

a. Page 4. Section 2.3. The statement is made that one sample collected outside of Classroom 6 had a PCB concentration of 7.4 ppm (refer to Figure B.3, Appendix B). Figure B.3 only has sample numbers. Which room is Classroom 6 and which of the samples has the 7.4 ppm concentration?

Response: Table F.1 summarizes all of the analytical data and provides location identifiers. The sample with a concentration of 7.4 ppm is identified as 113734, and Classroom 6 is adjacent to it.

b. Page 11.

i. Section 5.0. The last paragraph states that Figure B-3

illustrates the Site and excavation locations. Figure B-3 shows the sample locations but not the excavation locations. Figure B-4 shows the excavation locations, but does not show close up sample locations and grid spacings.

Response: Figure B.3 illustrates the excavation locations and the assessment sample locations that determined areas requiring excavation. The excavation locations are shaded in light purple. Subsequent drawings B.4 - B.7, provide more detailed illustrations of the excavation areas, including the sample IDs for clearance samples. The close-up illustrations of sample and grid locations are included in B.5-B.7.

ii. Section 5.1. The first paragraph again refers to Figure B-3

when discussing excavation limits.

Response: Same as previous.

c. Page 12. Table 5.1. What is the meaning of "S" and "D" in the column marked sample type?

Response: S = Sample; D = Duplicate

I also need a copy of the Non-hazardous Waste Manifest with Waste Tracking Number NHWM051637 that is signed by the designated facility owner.

If you have any questions please feel free to contact me.

Kate

Katherine Woodward, PE
Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Phone: 617-918-1353 (*See attached file: EPA Risk Based Approval Acceptance.pdf*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

{In Archive} Revised Air Sampling Plan

Patrick Goddard

to:

Kimberly Tisa

10/18/2011

Cc: "Matt Fragala"

Archive: This message is being viewed in an archive.

Kim,

The attached Air Sampling plan was developed to incorporate input from you and school parents. Benjamin Esty, who also emailed you about the previous plan, has communicated with me that this plan addresses his concerns.

Matt Fragala should be submitting the revised O&M plan to your attention in the next day or two.

Let me know if you have any questions.

Pat

Patrick W Goddard

Director of Public Facilities

Town of Lexington

201 Bedford Street

Lexington, MA 02420

781-274-8958

pgoddard@lexingtonma.gov(*See attached file: October 2011 Air Sampling V.3 (EH&E 17892).pdf*)

----- Forwarded by Kimberly Tisa/R1/USEPA/US on 05/28/2014 08:19 AM -----

